

**Remarks**

In the interest of clarity, the paragraph numbers hereafter match the paragraph numbers in the Office Action.

4. Applicant thanks the Examiner for allowing originally filed claims 35-46.

7. Applicant has amended claim 1 to include the limitations of original claims 2 and 3 as suggested by the Examiner and believes that claim 1 is now in condition for allowance. Applicant has also amended claim 4 to now depend from amended claim 1 instead of from cancelled claim 3.

With respect to claim 23, Applicant has amended claim 23 to now include at least one CA that is recorded on a computer readable medium and has added limitations that render the claimed subject matter functional. To this end, the function of the CA specifications is to be compiled to generate code and simulation information that are then used by a controller and a simulator to generate code and simulator output, respectively. Thus, Applicant believes that amended claim 23 claims functional descriptive material which, when recorded on a computer readable medium, is claimable subject matter. Applicant also notes that this claim has limitations that are similar to the limitations in claim 1 and therefore no additional searching should be required to consider amended claim 23.

With respect to claim 47, claim 47 has been amended in a fashion similar to claim 23. To this end, the function of the CA material containing logic and simulation material is to be compiled to generate code and simulation information that are then used by a controller and a simulator to generate code and simulator output, respectively. Thus, Applicant believes that amended claim 47 claims functional descriptive material which, when recorded on a computer readable medium, consists of claimable subject matter. Applicant also notes that this claim has limitations that are

James D. Coburn  
Serial No.: 10/614,634  
AMENDMENT  
Page 14


similar to the limitations in claim 1 and therefore no additional searching should be required to consider amended claim 47.

Applicant has introduced no new matter in making the above amendments and remarks. In view of the above remarks, Applicant believes claims 1 and 4-55 of the present application recite patentable subject matter and allowance of the same is requested. No fee in addition to the fees already authorized in this and accompanying documentation is believed to be required to enter this amendment, however, if an additional fee is required, please charge Deposit Account No. 17-0055 in the amount of the fee.

Respectfully submitted,

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